



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2009
Code: 10971300
SAU: Madawaska School Department
School: Madawaska Middle/High School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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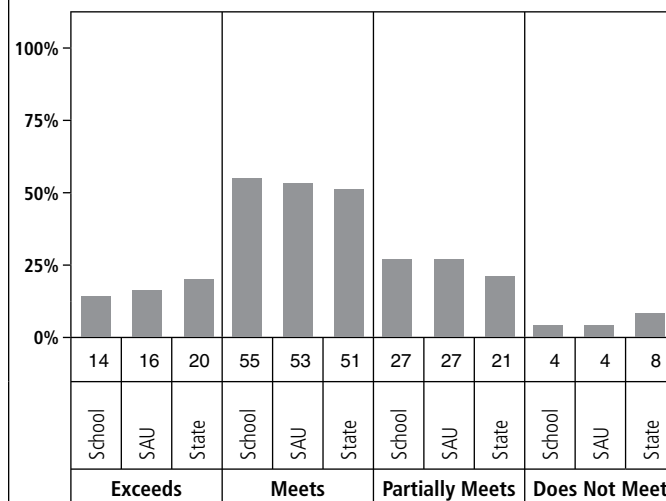
SUMMARY OF SCORES

Test Date: March 2009
 Grade: 8
 SAU: Madawaska School Department
 School: Madawaska Middle/High School

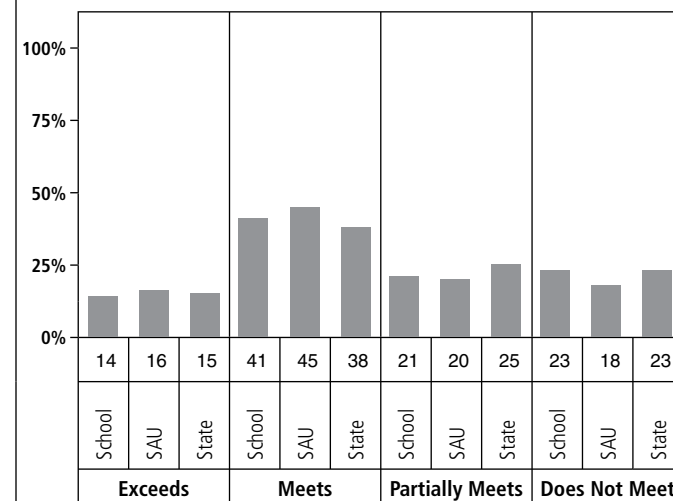
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	842	844	847
2007–2008	849	848	849
2008–2009	848	849	850
Cum. Avg.*	846	847	849
Mathematics			
2006–2007	844	844	842
2007–2008	846	846	841
2008–2009	843	845	843
Cum. Avg.*	844	845	842
Science			
2008–2009 **	848	848	846

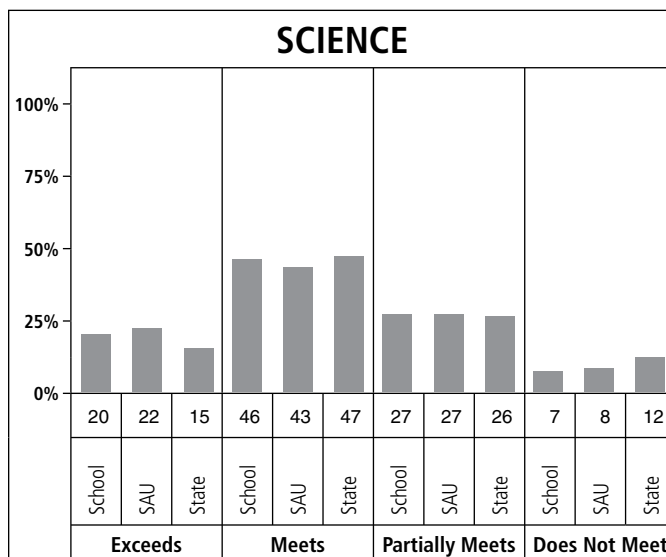
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

** Because science standards were reset in May 2009, no historical data are available

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 8
SAU: Madawaska School Department
School: Madawaska Middle/High School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	56	100	49	100	14804	100	56	100	49	100	14659	99	56	100	49	100	14653	99	56	100	49	100	14626	99
Ethnicity African American/Black	0	0	0	0	377	3	0	0	0	0	366	97	0	0	0	0	371	98	0	0	0	0	367	97
American Indian or Native Alaskan	0	0	0	0	119	1	0	0	0	0	117	99	0	0	0	0	115	97	0	0	0	0	116	98
Asian or Pacific Islander	2	4	2	4	238	2	2	100	2	100	232	97	2	100	2	100	234	98	2	100	2	100	234	98
Hispanic	2	4	1	2	192	1	2	100	1	100	188	98	2	100	1	100	191	100	2	100	1	100	190	99
Caucasian/White	52	93	46	94	13878	94	52	100	46	100	13756	99	52	100	46	100	13742	99	52	100	46	100	13719	99
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	9	16	6	12	2489	17	9	100	6	100	2434	99	9	100	6	100	2424	98	9	100	6	100	2418	98
Current LEP	12	21	11	22	349	2	12	100	11	100	331	95	12	100	11	100	342	98	12	100	11	100	338	97
Economically disadvantaged	27	48	23	47	5460	37	27	100	23	100	5380	99	27	100	23	100	5377	99	27	100	23	100	5359	98
Migrant	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100	0	0	0	0	6	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	49	88	45	92	12132	82	47	84	43	88	12124	82	47	84	43	88	12169	82
Identified disability (PET/IEP)	4	8	3	7	379	3	2	4	1	2	380	3	2	4	1	2	425	3
LEP	11	22	11	24	166	1	10	21	10	23	169	1	10	21	10	23	168	1
504 plan	1	2	1	2	200	2	1	2	1	2	200	2	1	2	1	2	202	2
Participation with accommodations	7	13	4	8	2349	16	9	16	6	12	2347	16	9	16	6	12	2288	15
Identified disability (PET/IEP)	5	71	3	75	1877	80	7	78	5	83	1862	79	7	78	5	83	1824	80
LEP	1	14	0	0	158	7	2	22	1	17	167	7	2	22	1	17	165	7
504 plan	0	0	0	0	70	3	0	0	0	0	70	3	0	0	0	0	66	3
Other	2	29	1	25	292	12	2	22	1	17	297	13	2	22	1	17	280	12
Participation through alternate assessment (PAAP)	0	0	0	0	178	1	0	0	0	0	182	1	0	0	0	0	169	1
Identified disability (PET/IEP)	0	0	0	0	178	100	0	0	0	0	182	100	0	0	0	0	169	100
LEP	0	0	0	0	7	4	0	0	0	0	6	3	0	0	0	0	5	3
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	38	0
Non-participation – other	0	0	0	0	113	1	0	0	0	0	117	1	0	0	0	0	140	1

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 8
SAU: Madawaska School Department
School: Madawaska Middle/High School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 862–880)	2006-2007	1	2	1	2	2407	16
	2007-2008	9	15	7	13	3428	23
	2008-2009	8	14	8	16	2857	20
	Cum. Total*	18	11	16	11	8692	19
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 842–860)	2006-2007	29	56	24	59	7494	49
	2007-2008	34	58	31	57	7179	48
	2008-2009	31	55	26	53	7431	51
	Cum. Total*	94	56	81	56	22104	49
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 830–840)	2006-2007	14	27	10	24	3628	24
	2007-2008	14	24	14	26	2706	18
	2008-2009	15	27	13	27	2979	21
	Cum. Total*	43	26	37	26	9313	21
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 800–828)	2006-2007	8	15	6	15	1810	12
	2007-2008	2	3	2	4	1611	11
	2008-2009	2	4	2	4	1214	8
	Cum. Total*	12	7	10	7	4635	10

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	34.4	61.4	35.0	62.5	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	20	36	11.9	59.5	11.9	59.5	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	22.6	62.8	23.1	64.2	23.2	64.4

The MEA measures student achievement of the interconnected elements of the reading process based on questions related to literary and informational/persuasive reading passages. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.



ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: Madawaska School Department
 School: Madawaska Middle/High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	56	8	14	31	55	15	27	2	4	848	49	16	53	27	4	849	14481	20	51	21	8	850
Ethnicity																						
African American/Black	0										0						362	8	43	29	20	843
American Indian or Native Alaskan	0										0						116	10	46	26	18	843
Asian or Pacific Islander	2										2						231	28	43	19	10	851
Hispanic	2										1						186	17	48	23	12	847
Caucasian/White	52	8	15	29	56	13	25	2	4	849	46	17	54	24	4	850	13586	20	52	20	8	850
Not Reported	0										0						0					
Identified disability																						
Yes	9	0	0	2	22	6	67	1	11	838	6	0	17	67	17	838	2256	2	25	40	34	834
No	47	8	17	29	62	9	19	1	2	850	43	19	58	21	2	851	12225	23	56	17	4	853
Current LEP																						
Yes	12	0	0	5	42	7	58	0	0	840	11	0	36	64	0	840	324	5	34	36	26	838
No	44	8	18	26	59	8	18	2	5	851	38	21	58	16	5	852	14157	20	52	20	8	850
Economically disadvantaged																						
Yes	27	2	7	13	48	10	37	2	7	845	23	9	48	35	9	846	5277	10	46	29	15	844
No	29	6	21	18	62	5	17	0	0	852	26	23	58	19	0	852	9204	26	54	16	5	853
Migrant																						
Yes	0										0						5	0	40	60	0	841
No	56	8	14	31	55	15	27	2	4	848	49	16	53	27	4	849	14476	20	51	21	8	850
Gender																						
Female	26	5	19	16	62	5	19	0	0	852	23	22	61	17	0	853	7074	25	51	18	6	852
Male	30	3	10	15	50	10	33	2	7	845	26	12	46	35	8	846	7407	14	51	23	11	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						857	9	43	35	14	843
No	56	8	14	31	55	15	27	2	4	848	49	16	53	27	4	849	13624	20	52	20	8	850
Gifted/talented program																						
Yes	3										3						700	69	30	1	0	867
No	53	6	11	30	57	15	28	2	4	847	46	13	54	28	4	848	13781	17	52	22	9	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: Madawaska School Department
School: Madawaska Middle/High School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	2	0	0	1	100	0	0	0	0	856	2	0	100	0	0	856	8	8	39	29	24	841
B. less than one hour	50	2	7	15	54	10	36	1	4	846	49	8	50	38	4	847	51	17	53	22	8	849
C. one to two hours	43	5	21	13	54	5	21	1	4	850	43	24	52	19	5	851	36	24	52	18	5	852
D. more than two hours	5	1	33	2	67	0	0	0	0	855	6	33	67	0	0	855	5	29	45	18	9	852
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	38	5	24	12	57	4	19	0	0	853	37	28	56	17	0	856	31	35	50	11	4	856
B. good	43	1	4	13	54	8	33	2	8	845	43	5	52	33	10	845	47	16	55	21	7	849
C. fair	18	2	20	6	60	2	20	0	0	847	18	22	56	22	0	848	18	5	47	33	15	842
D. poor	2	0	0	0	0	1	100	0	0	838	2	0	0	100	0	838	3	2	39	37	22	839
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	39	4	18	14	64	4	18	0	0	851	43	19	62	19	0	852	32	27	54	14	5	853
B. They match some of what I have learned.	43	4	17	12	50	8	33	0	0	849	39	21	47	32	0	851	52	18	53	22	8	850
C. They match just a little of what I have learned.	16	0	0	5	56	3	33	1	11	843	16	0	50	38	13	843	12	11	45	29	15	844
D. There is no match.	2	0	0	0	0	0	0	1	100	828	2	0	0	0	100	828	4	6	34	33	26	838
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	16	2	22	3	33	4	44	0	0	848	16	25	38	38	0	849	15	13	42	28	17	844
B. about the same as my regular schoolwork	66	5	14	23	62	8	22	1	3	848	65	16	59	22	3	850	64	19	53	20	7	850
C. easier than my regular schoolwork	18	1	10	5	50	3	30	1	10	848	18	11	44	33	11	848	22	25	52	16	6	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	5	0	0	1	33	2	67	0	0	842	4	0	50	50	0	843	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	63	5	14	18	51	10	29	2	6	847	61	17	47	30	7	848	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	32	3	17	12	67	3	17	0	0	852	35	18	65	18	0	853	40	30	53	13	4	855
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	38	3	14	11	52	6	29	1	5	849	37	17	50	28	6	850	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	63	5	14	20	57	9	26	1	3	848	63	16	55	26	3	849	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	0										0						7	12	46	27	15	845
How much time do you spend reading at home each day?																						
A. more than one hour	16	1	11	5	56	3	33	0	0	846	16	13	50	38	0	846	19	26	53	15	6	853
B. 20 minutes to an hour	25	3	21	7	50	4	29	0	0	851	27	23	46	31	0	852	40	25	52	17	6	852
C. less than 20 minutes	20	3	27	6	55	2	18	0	0	855	20	30	60	10	0	857	15	18	51	21	10	849
D. I rarely read at home.	39	1	5	13	59	6	27	2	9	844	37	6	56	28	11	845	26	7	50	30	13	844
How do you feel about the following statement?																						
"My knowledge of reading will be useful to me as an adult."																						
A. strongly agree	45	6	24	12	48	7	28	0	0	852	45	27	50	23	0	853	42	27	51	15	6	853
B. agree	42	1	4	14	61	6	26	2	9	845	43	5	57	29	10	845	50	15	53	23	9	848
C. disagree	11	1	17	4	67	1	17	0	0	851	10	20	60	20	0	853	7	8	46	32	14	843
D. strongly disagree	2	0	0	0	0	1	100	0	0	840	2	0	0	100	0	840	2	6	39	35	21	840
Optional school/SAU question																						
A.	33	0	0	0	0	1	100	0	0	840	50	0	0	100	0	840						
B.	33	0	0	1	100	0	0	0	0	846	50	0	100	0	0	846						
C.	33	0	0	1	100	0	0	0	0	842	0											
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 8
SAU: Madawaska School Department
School: Madawaska Middle/High School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 862–880)	2006-2007	7	13	6	15	1952	13
	2007-2008	6	10	6	11	1657	11
	2008-2009	8	14	8	16	2116	15
	Cum. Total*	21	13	20	14	5725	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 842–860)	2006-2007	24	46	20	49	5870	38
	2007-2008	33	56	29	54	5956	40
	2008-2009	23	41	22	45	5443	38
	Cum. Total*	80	48	71	49	17269	39
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 830–840)	2006-2007	8	15	6	15	3982	26
	2007-2008	12	20	11	20	3729	25
	2008-2009	12	21	10	20	3556	25
	Cum. Total*	32	19	27	19	11267	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 800–828)	2006-2007	13	25	9	22	3534	23
	2007-2008	8	14	8	15	3579	24
	2008-2009	13	23	9	18	3356	23
	Cum. Total*	34	20	26	18	10469	23

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	56	100	28.8	51.4	30.3	54.1	28.6	51.1
A. Number	8	14	4.1	51.3	4.2	52.5	3.7	46.3
B. Data	16	29	8.2	51.3	8.6	53.8	8.9	55.6
C. Geometry	12	21	5.4	45.0	5.7	47.5	5.0	41.7
D. Algebra	20	36	11.2	56.0	11.8	59.0	10.9	54.5

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: Madawaska School Department
 School: Madawaska Middle/High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	56	8	14	23	41	12	21	13	23	843	49	16	45	20	18	845	14471	15	38	25	23	843
Ethnicity																						
African American/Black	0										0						367	6	24	26	44	831
American Indian or Native Alaskan	0										0						114	5	31	32	32	836
Asian or Pacific Islander	2										2						233	27	33	20	21	847
Hispanic	2										1						190	8	31	26	34	836
Caucasian/White	52	8	15	23	44	11	21	10	19	844	46	17	48	20	15	846	13567	15	38	25	22	843
Not Reported	0										0						0					
Identified disability																						
Yes	9	0	0	0	0	0	0	9	100	816	6	0	0	0	100	815	2242	2	12	22	63	824
No	47	8	17	23	49	12	26	4	9	848	43	19	51	23	7	850	12229	17	42	25	16	846
Current LEP																						
Yes	12	0	0	3	25	4	33	5	42	833	11	0	27	36	36	835	336	6	18	26	51	829
No	44	8	18	20	45	8	18	8	18	845	38	21	50	16	13	848	14135	15	38	25	23	843
Economically disadvantaged																						
Yes	27	1	4	8	30	7	26	11	41	835	23	4	35	30	30	839	5270	6	30	28	36	835
No	29	7	24	15	52	5	17	2	7	850	26	27	54	12	8	851	9201	20	42	22	16	847
Migrant																						
Yes	0										0						5	0	0	40	60	828
No	56	8	14	23	41	12	21	13	23	843	49	16	45	20	18	845	14466	15	38	25	23	843
Gender																						
Female	26	6	23	10	38	7	27	3	12	847	23	26	43	26	4	850	7070	15	39	25	22	843
Male	30	2	7	13	43	5	17	10	33	839	26	8	46	15	31	841	7401	14	36	25	25	842
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						857	5	25	33	37	835
No	56	8	14	23	41	12	21	13	23	843	49	16	45	20	18	845	13614	15	38	24	22	843
Gifted/talented program																						
Yes	3										3						700	68	27	3	1	866
No	53	6	11	22	42	12	23	13	25	841	46	13	46	22	20	844	13771	12	38	26	24	841

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: Madawaska School Department
School: Madawaska Middle/High School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	2	0	0	1	100	0	0	0	0	854	2	0	100	0	0	854	8	8	24	24	44	833
B. less than one hour	50	2	7	11	39	6	21	9	32	837	49	8	42	25	25	840	51	12	38	26	23	842
C. one to two hours	43	5	21	10	42	5	21	4	17	848	43	24	48	14	14	850	36	19	40	23	19	845
D. more than two hours	5	1	33	1	33	1	33	0	0	853	6	33	33	33	0	853	5	19	36	22	23	844
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	25	5	36	8	57	0	0	1	7	859	27	38	62	0	0	862	28	33	41	15	11	852
B. good	51	3	11	14	50	7	25	4	14	844	54	12	54	27	8	846	45	11	43	25	21	842
C. fair	15	0	0	0	0	3	38	5	63	825	10	0	0	20	80	821	21	3	27	35	35	834
D. poor	9	0	0	1	20	2	40	2	40	830	8	0	0	50	50	827	5	2	14	30	54	828
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	41	4	17	13	57	4	17	2	9	850	45	18	59	14	9	851	28	23	41	21	15	848
B. They match some of what I have learned.	45	4	16	10	40	6	24	5	20	845	43	19	43	24	14	847	52	13	40	25	21	843
C. They match just a little of what I have learned.	11	0	0	0	0	2	33	4	67	817	8	0	0	50	50	823	16	8	28	30	34	836
D. There is no match.	4	0	0	0	0	0	0	2	100	807	4	0	0	0	100	807	4	5	15	22	58	826
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	33	1	6	6	33	4	22	7	39	835	33	6	38	25	31	838	32	6	34	29	32	837
B. about the same as my regular schoolwork	55	5	17	12	40	8	27	5	17	845	52	20	44	24	12	848	52	13	41	25	20	843
C. easier than my regular schoolwork	13	2	29	4	57	0	0	1	14	852	15	29	57	0	14	852	16	39	35	13	13	853
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	39	1	5	8	36	5	23	8	36	837	37	6	44	22	28	840	42	12	38	26	25	841
B. I tried about the same as I do on my regular schoolwork.	55	7	23	14	45	7	23	3	10	849	59	24	45	21	10	850	52	17	39	23	20	845
C. I did not try as hard on this test as I do on my regular schoolwork.	5	0	0	1	33	0	0	2	67	821	4	0	50	0	50	827	7	12	27	27	35	837
How often do you use calculators in mathematics class?																						
A. almost every day	5	2	67	1	33	0	0	0	0	863	6	67	33	0	0	863	34	18	40	22	20	845
B. two or three days a week	5	2	67	1	33	0	0	0	0	869	6	67	33	0	0	869	35	14	38	26	21	843
C. two or three times each month	25	4	29	7	50	2	14	1	7	852	27	31	46	15	8	853	18	12	37	27	24	841
D. never or almost never	64	0	0	14	39	10	28	12	33	835	61	0	47	27	27	838	13	9	32	25	34	837
How often do you use laptops in mathematics class?																						
A. almost every day	0										0						9	13	38	23	26	841
B. two or three days a week	4	0	0	1	50	0	0	1	50	832	2	0	100	0	0	854	17	11	37	26	26	841
C. two or three times each month	14	1	13	3	38	2	25	2	25	846	14	14	43	29	14	849	28	15	40	25	20	844
D. never or almost never	82	7	15	19	41	10	22	10	22	843	84	17	44	20	20	844	46	16	36	24	23	843
How do you feel about the following statement? "My knowledge of mathematics will be useful to me as an adult."																						
A. strongly agree	66	8	22	17	46	7	19	5	14	848	65	25	53	16	6	852	52	19	41	22	18	846
B. agree	23	0	0	4	31	2	15	7	54	827	22	0	27	18	55	828	39	11	35	27	27	840
C. disagree	11	0	0	2	33	3	50	1	17	841	12	0	33	50	17	841	6	7	28	26	39	835
D. strongly disagree	0										0						3	4	25	28	43	832
Optional school/SAU question																						
A.	33	0	0	0	0	0	0	1	100	826	50	0	0	0	100	826						
B.	33	0	0	1	100	0	0	0	0	846	50	0	100	0	0	846						
C.	33	0	0	0	0	0	0	1	100	810	0											
D.	0										0											

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N = Number

SCIENCE RESULTS

Test Date: March 2009
Grade: 8
SAU: Madawaska School Department
School: Madawaska Middle/High School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 862–880)	2008-2009*	11	20	11	22	2155	15
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 842–860)	2008-2009*	26	46	21	43	6687	47
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 828–840)	2008-2009*	15	27	13	27	3672	26
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 800–826)	2008-2009*	4	7	4	8	1749	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	56	100	33.2	59.3	33.6	60.0	32.0	57.1
D. The Physical Setting	31	55	18.4	59.4	18.7	60.3	17.1	55.2
D1/D2 Earth/Space	17	30	10.4	61.2	10.6	62.4	9.4	55.3
D3/D4 Matter and Energy/Force and Motion	14	25	8.0	57.1	8.1	57.9	7.7	55.0
E. The Living Environment	25	45	14.7	58.8	14.9	59.6	14.9	59.6

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution

SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: Madawaska School Department
 School: Madawaska Middle/High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	56	11	20	26	46	15	27	4	7	848	49	22	43	27	8	848	14263	15	47	26	12	846
Ethnicity																						
African American/Black	0										0						360	4	31	35	30	835
American Indian or Native Alaskan	0										0						114	8	39	31	22	839
Asian or Pacific Islander	2										2						230	20	44	23	13	848
Hispanic	2										1						184	9	45	29	16	842
Caucasian/White	52	11	21	24	46	14	27	3	6	848	46	24	43	26	7	849	13375	15	47	25	12	846
Not Reported	0										0						0					
Identified disability																						
Yes	9	0	0	1	11	6	67	2	22	834	6	0	0	67	33	832	2221	3	22	36	38	832
No	47	11	23	25	53	9	19	2	4	850	43	26	49	21	5	850	12042	17	51	24	7	848
Current LEP																						
Yes	12	0	0	5	42	4	33	3	25	838	11	0	36	36	27	837	331	4	20	39	37	832
No	44	11	25	21	48	11	25	1	2	850	38	29	45	24	3	851	13932	15	48	25	12	846
Economically disadvantaged																						
Yes	27	2	7	13	48	9	33	3	11	842	23	9	48	30	13	843	5184	6	40	33	21	840
No	29	9	31	13	45	6	21	1	3	852	26	35	38	23	4	853	9079	20	51	21	8	849
Migrant																						
Yes	0										0						5	0	0	80	20	829
No	56	11	20	26	46	15	27	4	7	848	49	22	43	27	8	848	14258	15	47	26	12	846
Gender																						
Female	26	5	19	14	54	6	23	1	4	849	23	22	52	22	4	849	6953	14	47	28	11	846
Male	30	6	20	12	40	9	30	3	10	847	26	23	35	31	12	847	7310	16	46	24	13	846
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						828	5	35	40	20	839
No	56	11	20	26	46	15	27	4	7	848	49	22	43	27	8	848	13435	16	48	25	12	846
Gifted/talented program																						
Yes	3										3						699	65	34	2	0	865
No	53	8	15	26	49	15	28	4	8	846	46	17	46	28	9	847	13564	13	48	27	13	845

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NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: Madawaska School Department
School: Madawaska Middle/High School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	2	1	100	0	0	0	0	0	0	862	2	100	0	0	0	862	8	8	34	28	30	837
B. less than one hour	50	3	11	14	50	8	29	3	11	844	49	13	46	29	13	845	51	14	48	27	11	846
C. one to two hours	43	6	25	11	46	6	25	1	4	851	43	29	43	24	5	851	36	19	48	24	9	848
D. more than two hours	5	1	33	1	33	1	33	0	0	851	6	33	33	33	0	851	5	17	49	20	14	847
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	20	2	18	4	36	4	36	1	9	849	22	18	36	36	9	849	23	27	47	17	8	851
B. good	57	7	22	17	53	6	19	2	6	848	55	26	48	19	7	849	53	15	50	26	10	847
C. fair	21	2	17	4	33	5	42	1	8	845	22	18	36	36	9	846	20	4	43	35	18	840
D. poor	2	0	0	1	100	0	0	0	0	844	0						4	4	27	34	35	834
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	27	5	33	5	33	5	33	0	0	851	31	33	33	33	0	851	26	20	49	23	9	849
B. They match some of what I have learned.	63	5	14	20	57	7	20	3	9	847	59	17	55	17	10	848	51	14	48	26	11	846
C. They match just a little of what I have learned.	11	1	17	1	17	3	50	1	17	840	10	20	0	60	20	840	18	13	44	28	15	844
D. There is no match.	0										0						4	5	33	30	32	836
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	55	6	19	14	45	9	29	2	6	847	55	22	44	26	7	849	32	13	45	28	14	844
B. about the same as my regular schoolwork	38	4	19	10	48	6	29	1	5	848	39	21	42	32	5	848	56	15	49	25	11	847
C. easier than my regular schoolwork	7	1	25	2	50	0	0	1	25	845	6	33	33	0	33	845	11	21	43	22	13	847
How hard did you try on the science part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	40	5	23	10	45	4	18	3	14	849	39	26	42	16	16	850	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	60	6	18	15	45	11	33	1	3	846	61	20	43	33	3	847	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	0										0						6	8	36	29	26	839
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	18	0	0	5	50	2	20	3	30	842	20	0	50	20	30	842	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	21	2	17	7	58	3	25	0	0	850	24	17	58	25	0	850	23	17	49	22	12	847
C. the course(s) described in B, plus physics	14	3	38	3	38	2	25	0	0	854	14	43	43	14	0	857	21	31	44	17	7	852
D. a life science and physical science class	46	6	23	11	42	8	31	1	4	847	41	30	30	35	5	848	30	7	46	32	14	842
How well does the following statement reflect your future goals? "I am interested in a career related to science, technology, engineering, or mathematics."																						
A. strongly agree	38	6	29	9	43	5	24	1	5	852	39	32	42	21	5	853	27	23	47	20	10	849
B. agree	32	3	17	11	61	3	17	1	6	849	33	19	56	19	6	849	37	14	47	27	12	846
C. disagree	18	0	0	3	30	5	50	2	20	836	16	0	25	50	25	836	25	11	48	29	12	845
D. strongly disagree	13	2	29	3	43	2	29	0	0	848	12	33	33	33	0	848	11	9	44	31	17	842
How do you feel about the following statement? "My knowledge of science will be useful to me as an adult."																						
A. strongly agree	46	6	23	13	50	6	23	1	4	850	49	25	50	21	4	851	31	22	46	22	10	849
B. agree	43	4	17	12	50	6	25	2	8	846	41	20	40	30	10	846	50	14	49	26	11	846
C. disagree	7	1	25	1	25	1	25	1	25	845	8	25	25	25	25	845	14	9	45	31	15	843
D. strongly disagree	4	0	0	0	0	2	100	0	0	834	2	0	0	100	0	834	5	3	38	34	25	837
Optional school/SAU question																						
A.	33	0	0	0	0	1	100	0	0	836	50	0	0	100	0	836						
B.	33	0	0	1	100	0	0	0	0	852	50	0	100	0	0	852						
C.	33	0	0	1	100	0	0	0	0	844	0											
D.	0										0											

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N = Number